

WALL MOUNTED ETHEREA
INVERTER+
SILVER PLATED / WHITE

Etherea with enhanced Econavi sensor and new Nanoe-G air-purifying system: outstanding efficiency, comfort and healthy air combined with state-of-the-art design.

Econavi features an in-built human activity sensor and a new sunlight detection technology to adjust output thereby giving you the best comfort at anytime whilst saving energy. Econavi not only optimizes air flow orientation and volume according to human presence, it also reduces cooling power automatically by no/less sunshine. With Econavi, energy savings of up to 38% are possible, whilst increasing your comfort. Furthermore, the Nanoe-G revolutionary air-purifying system utilises nano technology fine particles to remove and deactivate 99% of both airborne and adhesive micro-organisms like bacteria, viruses and mould.



Internet Control Ready INTERNET CONTROL	Energy saving INVERTER+	7.60 A++ SEER SEASONAL ENERGY EFFICIENCY RATIO	4.80 A+++ SCOP SEASONAL COEFFICIENT OF PERFORMANCE	Air purifier 99% removal bacteria-virus-mold nanoe-G	Up to 38% energy savings (cooling) ECONAVI	Improved comfort AUTOCOMFORT	Perfect humidity control MILD DRY	Silent air 20 dB SUPER QUIET	Easy control by BMS CONNECTIVITY	Possible to use on R22 pipings R22 RENEWAL	5 year compressor warranty
---	-----------------------------------	--	--	---	--	--	---	--	--	--	-----------------------------------

Awarded with the prestigious IF Design Award 2013
 INTERNET CONTROL READY: Optional. SEER and SCOP: For KIT-XE12-QKE and KIT-E12-QKE. MILD DRY: Maintains a Relative Humidity up to 10% higher than cooling operation. Ideal when sleeping with the air conditioner on. SUPER QUIET: For XE7, XE9, XE12, E7, E9 and XE12. 5 YEARS COMPRESSOR WARRANTY: Only for PRO partners.

Kit Silver Plated			KIT-XE7-QKE	KIT-XE9-QKE	KIT-XE12-QKE	—
Kit Silver Plated / with Smartphone Control			KIT-XE7-QKE-WIFI	KIT-XE9-QKE-WIFI	KIT-XE12-QKE-WIFI	—
Kit White			KIT-E7-QKE	KIT-E9-QKE	KIT-E12-QKE	KIT-E15-QKE
Kit White / with Smartphone Control			KIT-E7-QKE-WIFI	KIT-E9-QKE-WIFI	KIT-E12-QKE-WIFI	KIT-E15-QKE-WIFI
Indoor Silver plated			CS-XE7QKEW	CS-XE9QKEW	CS-XE12QKEW	—
Indoor White			CS-E7QKEW	CS-E9QKEW	CS-E12QKEW	CS-E15QKEW
Outdoor			CU-E7QKE	CU-E9QKE	CU-E12QKE	CU-E15QKE
Cooling capacity	Nominal (Min - Max)	kW	2.05 (0.75 - 2.40)	2.50 (0.85 - 3.00)	3.50 (0.85 - 4.00)	4.20 (0.85 - 5.00)
	Nominal (Min - Max)	kCal/h	1,760 (650 - 2,060)	2,150 (730 - 2,580)	3,010 (730 - 3,440)	3,610 (730 - 4,300)
SEER	Nominal	Energy Saving	6.90 A+++	6.90 A+++	7.60 A+++	6.60 A+++
Pdesign (cooling)		kW	2.1	2.5	3.5	4.2
Power input cooling	Nominal (Min - Max)	kW	0.460 (0.240 - 0.565)	0.525 (0.245 - 0.715)	0.835 (0.250 - 1.050)	1.240 (0.260 - 1.540)
Annual electricity consumption (cooling) ¹⁾		kWh/a	107	127	161	223
Heating capacity	Nominal (Min - Max)	kW	2.80 (0.70 - 4.00)	3.40 (0.80 - 5.00)	4.00 (0.80 - 6.00)	5.30 (0.80 - 6.80)
Heating capacity at -7°C	Nominal	kW	2.38	2.95	3.45	4.11
SCOP	Nominal	Energy Saving	4.40 A+	4.70 A+++	4.80 A+++	4.00 A+
Pdesign at -10°C		kW	2.1	2.7	3.2	3.6
Power input heating	Nominal (Min - Max)	kW	0.625 (0.180 - 1.000)	0.720 (0.190 - 1.270)	0.840 (0.190 - 1.600)	1.420 (0.190 - 1.920)
Annual electricity consumption (heating) ¹⁾		kWh/a	668	804	933	1,260
Indoor Unit						
Power source		V	230	230	230	230
Recommended fuse		A	16	16	16	16
Recommended power cable section		mm ²	1.5	1.5	1.5	1.5
Connection indoor / outdoor		mm ²	4 x 1.5	4 x 1.5	4 x 1.5	4 x 1.5
Current (Nominal)	Cooling / Heating	A	2.20 / 2.80	2.35 / 3.20	3.80 / 3.90	5.50 / 6.30
Maximum current		A	4.40	5.6	7.40	8.5
Air volume	Cooling / Heating	m ³ /h	726 / 738	768 / 774	804 / 822	852 / 876
Moisture removal volume		l/h	1.3	1.5	2	2.4
Sound pressure level ²⁾	Cooling (Hi / Lo / Q-Lo)	dB(A)	37 / 24 / 20	39 / 25 / 20	42 / 28 / 20	43 / 31 / 25
	Heating (Hi / Lo / Q-Lo)	dB(A)	38 / 25 / 20	40 / 27 / 20	42 / 33 / 20	43 / 35 / 29
Sound power level	Cooling / Heating (Hi)	dB	53 / 54	55 / 56	58 / 58	59 / 59
Dimensions	H x W x D	mm	295 x 870 x 255	295 x 870 x 255	295 x 870 x 255	295 x 870 x 255
Net weight		kg	10	10	10	10
Air purifier filter			Nanoe-G	Nanoe-G	Nanoe-G	Nanoe-G
Outdoor Unit						
Air volume	Cooling / Heating	m ³ /h	2,034 / 2,034	1,788 / 1,788	2,106 / 2,160	1,998 / 1,998
Sound pressure level ²⁾	Cooling / Heating (Hi)	dB(A)	45 / 46	46 / 47	48 / 50	49 / 51
Sound power level	Cooling / Heating (Hi)	dB	60 / 61	61 / 62	63 / 65	64 / 66
Dimensions ³⁾	H x W x D	mm	542 x 780 x 289	542 x 780 x 289	619 x 824 x 299	619 x 824 x 299
Net weight		kg	31	33	35	33
Piping connections	Liquid pipe / Gas pipe	inch (mm)	1/4 (6.35) / 3/8 (9.52)	1/4 (6.35) / 3/8 (9.52)	1/4 (6.35) / 3/8 (9.52)	1/4 (6.35) / 1/2 (12.70)
Refrigerant loading	R410A (GWP value)	kg	0.85	1.02	1.15	1.02
Elevation difference (in/out) ⁴⁾	Max	m	15	15	15	15
Piping length	Min / Max	m	3 / 15	3 / 15	3 / 15	3 / 15
Precharge length	Max	m	7.5	7.5	7.5	7.5
Additional charge		g/m	20	20	20	20
Operating range	Cooling Min / Max	°C	-10 / +43	-10 / +43	-10 / +43	-10 / +43
	Heating Min / Max	°C	-15 / +24	-15 / +24	-15 / +24	-15 / +24

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB. Cooling Outdoor 35°C DB / 24°C WB. Heating Indoor 20°C DB. Heating Outdoor 7°C DB / 6°C WB. (DB: Dry Bulb; WB: Wet Bulb)
 Connectivity restriction: JKE units are not compatible with QKE units.

1) The annual energy consumption is calculated in accordance with the ErP directive. 2) The Sound pressure level of the units shows the value measured of a position 1 metre in front of the main body and 0.8 m below the unit. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification. Q-Lo: Quiet mode. Lo: The lowest fan speed. 3) Add 70 mm for piping port. 4) When installing the outdoor unit at a higher position than the indoor unit. Specifications subject to change without notice.

For detailed information about ErP, please visit our page <http://www.ptc.panasonic.eu>



CS-E70KEW // CS-E90KEW // CS-E120KEW // CS-E150KEW

CS-XE70KEW // CS-XE90KEW // CS-XE120KEW



Included with the indoor unit



Optional wired remote control CZ-RD614C

SEASONAL EFFICIENCY



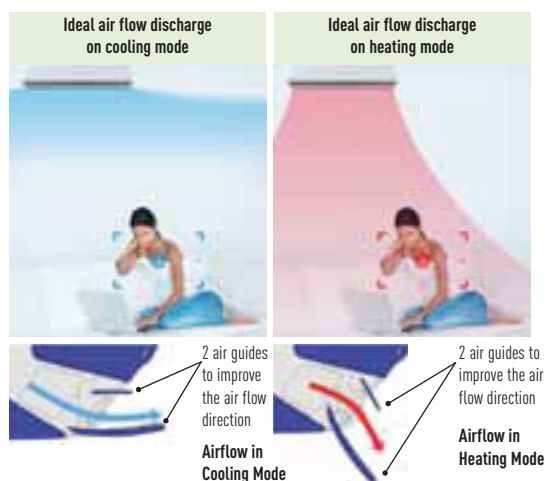
KIT SILVER PLATED: KIT-XE7-QKE // KIT-XE9-QKE // KIT-XE12-QKE

KIT WHITE: KIT-E7-QKE // KIT-E9-QKE // KIT-E12-QKE // KIT-E15-QKE

Technical focus

- **New!** This units can be installed on R22 pipings
- Maximum efficiency and comfort with Econavi, now with sunlight detection
- Nanoe-G air purifying system, 99% effective on both airborne and adhesive mould, viruses, bacteria and pollen allergen
- Optional smartphone control
- Mild Dry Cooling: prevent a rapid decrease in room humidity
- Super Quiet! Only 20 dB, equivalent to night-time in the countryside (XE7, XE9 XE12, E7, E9 and E12)
- More powerful airflow to quickly reach the desired temperature

NEW AIR FLOW DISCHARGE IDEAL AIR FLOW FOR HEATING AND FOR COOLING



CU-E70KE
CU-E90KE



CU-E120KE
CU-E150KE

Features

HEALTHY AIR

- Nanoe-G air purifying system
- Mild Dry Cooling operation mode for increased comfort and prevention of skin moisture loss

ENERGY, EFFICIENCY AND ECOLOGY

- Maximum efficiency Inverter system, for bigger savings
- -45% consumption with Econavi on heat pump, and -38% on cooling mode
- R410A refrigerant gas

COMFORT

- Super Quiet (from 20 dB)
- Powerful mode
- Uniform dispersion of airflow
- Automatic vertical airflow control
- Hot start mode, increased comfort on heat pump mode, no cool airflow when process starts
- Automatic restart after power cut

EASE OF USE

- Real time clock with dual ON&OFF timer
- User friendly infrared remote control
- Optional wired weekly timer with 6 settings per day and 42 settings per week
- Connectivity function (indoor unit equipped with PCB port which can be connected to outside network)
- Optional Smartphone control

EASY INSTALLATION AND MAINTENANCE

- **NEW!** Heating only function by enabling software (only by service partner)
- Removable, washable panel
- 15 m maximum connection distance
- 15 m maximum elevation difference
- Maintenance access through the top panel of the outdoor unit
- Self-diagnosis function

WALL MOUNTED ETHEREA
INVERTER+
SILVER PLATED / WHITE

Etherea with enhanced Econavi sensor and new Nanoe-G air-purifying system: outstanding efficiency, comfort and healthy air combined with state-of-the-art design.

Econavi features an in-built human activity sensor and a new sunlight detection technology to adjust output thereby giving you the best comfort at anytime whilst saving energy. Econavi not only optimizes air flow orientation and volume according to human presence, it also reduces cooling power automatically by no/less sunshine. With Econavi, energy savings of up to 38% are possible, whilst increasing your comfort. Furthermore, the Nanoe-G revolutionary air-purifying system utilises nano technology fine particles to remove and deactivate 99% of both airborne and adhesive micro-organisms like bacteria, viruses and mould.



Internet Control Ready INTERNET CONTROL	Energy saving INVERTER+	6.90 A+++ SEER SEASONAL ENERGY EFFICIENCY RATIO	4.20 A+ SCOP SEASONAL COEFFICIENT OF PERFORMANCE	Air purifier 99% removal bacteria-virus-mold nanoe-g	Up to 38% energy savings (cooling) ECONAVI	Improved comfort AUTOCOMFORT	Perfect humidity control MILD DRY	Easy control by BMS CONNECTIVITY	Possible to use on R22 pipings R22 RENEWAL	5 year compressor warranty
---	-----------------------------------	---	--	---	--	--	---	--	--	-----------------------------------

Awarded with the prestigious IF Design Award 2013
 INTERNET CONTROL READY: Optional. SEER and SCOP: For KIT-XE18-QKE and KIT-E18-QKE. MILD DRY: Maintains a Relative Humidity up to 10% higher than cooling operation. Ideal when sleeping with the air conditioner on. 5 YEARS COMPRESSOR WARRANTY: Only for PRO partners.

Kit Silver Plated			KIT-XE18-QKE		—		—		—		
Kit Silver Plated / with Smartphone Control			KIT-XE18-QKE-WIFI		—		—		—		
Kit White			KIT-E18-QKE		KIT-E21-QKE		KIT-E24-QKE		KIT-E28-QKE		
Kit White / with Smartphone Control			KIT-E18-QKE-WIFI		KIT-E21-QKE-WIFI		KIT-E24-QKE-WIFI		KIT-E28-QKE-WIFI		
Indoor Silver plated			CS-E18QKEW		—		—		—		
Indoor White			CS-E18QKEW		CS-E21QKEW		CS-E24QKEW		CS-E28QKES		
Outdoor			CU-E18QKE		CU-E21QKE		CU-E24QKE		CU-E28QKE		
Cooling capacity	Nominal (Min - Max)	kW	5.00 (0.98 - 6.00)		6.30 (0.98 - 7.10)		6.80 (0.98 - 8.10)		7.65 (0.98 - 8.60)		
	Nominal (Min - Max)	kCal/h	4,300 (840 - 5,160)		5,420 (840 - 6,110)		5,850 (840 - 6,970)		6,580 (840 - 7,400)		
SEER	Nominal	Energy Saving	6.90 A+++		6.50 A++		6.10 A+		6.00 A+		
Pdesign (cooling)		kW	5.0		6.3		6.8		7.7		
Power input cooling	Nominal (Min - Max)	kW	1.440 (0.280 - 1.990)		2.180 (0.280 - 2.500)		2.080 (0.380 - 2.650)		2.520 (0.380 - 2.920)		
Annual electricity consumption (cooling) ¹⁾		kWh/a	254		339		390		449		
Heating capacity	Nominal (Min - Max)	kW	5.80 (0.98 - 8.00)		7.20 (0.98 - 8.50)		8.60 (0.98 - 9.90)		9.60 (0.98 - 11.00)		
Heating capacity at -7°C	Nominal (Min - Max)	kW	4,990 (840 - 6,880)		6,190 (840 - 7,310)		7,400 (840 - 8,510)		8,260 (840 - 9,460)		
SCOP	Nominal	Energy Saving	4.20 A+		4.00 A+		3.90 A		3.80 A		
Pdesign at -10°C		kW	4.4		4.6		5.5		6.0		
Power input heating	Nominal (Min - Max)	kW	1.520 (0.340 - 2.570)		2.090 (0.340 - 2.730)		2.580 (0.450 - 3.100)		3.240 (0.450 - 3.650)		
Annual electricity consumption (heating) ¹⁾		kWh/a	1,467		1,610		1,974		2,211		
Indoor Unit											
Power source		V	230		230		230		230		
Recommended fuse		A	16		20		20		20		
Recommended power cable section		mm ²	1.5		2.5		2.5		2.5		
Connection indoor / outdoor		mm ²	4 x 2.5		4 x 2.5		4 x 2.5		4 x 2.5		
Current (Nominal)	Cooling / Heating	A	6.4 / 6.8		9.7 / 9.4		9.5 / 11.7		11.5 / 14.5		
Maximum current		A	11.3		11.9		14.4		15.5		
Air volume	Cooling / Heating	m ³ /h	1074 / 1158		1,134 / 1,200		1,188 / 1,272		1,266 / 1,314		
Moisture removal volume		l/h	2.8		3.5		3.9		4.5		
Sound pressure level ²⁾	Cooling (Hi / Lo / Q-Lo)	dB(A)	44 / 37 / 34		45 / 37 / 34		47 / 38 / 35		49 / 38 / 35		
	Heating (Hi / Lo / Q-Lo)	dB(A)	44 / 37 / 34		45 / 37 / 34		47 / 38 / 35		48 / 38 / 35		
Sound power level	Cooling / Heating (Hi)	dB	60 / 60		61 / 61		63 / 63		65 / 64		
Dimensions	H x W x D	mm	295 x 1,070 x 255		295 x 1,070 x 255		295 x 1,070 x 255		295 x 1,070 x 255		
Net weight		kg	13		13		13		13		
Air purifier filter			Nanoe-G		Nanoe-G		Nanoe-G		Nanoe-G		
Outdoor Unit											
Air volume	Cooling / Heating	m ³ /h	2,352 / 2,274		2,502 / 2,424		3,012 / 3,012		3,270 / 3,270		
Sound pressure level ²⁾	Cooling / Heating (Hi)	dB(A)	47 / 47		48 / 49		52 / 52		53 / 53		
Sound power level	Cooling / Heating (Hi)	dB	61 / 61		62 / 63		66 / 66		67 / 67		
Dimensions ³⁾	H x W x D	mm	695 x 875 x 320		695 x 875 x 320		795 x 875 x 320		795 x 875 x 320		
Net weight		kg	46		47		67		67		
Piping connections	Liquid pipe / Gas pipe	inch (mm)	1/4" (6.35) / 1/2" (12.70)		1/4" (6.35) / 1/2" (12.70)		1/4" (6.35) / 5/8" (15.88)		1/4" (6.35) / 5/8" (15.88)		
Refrigerant loading	R410A	kg	1.24		1.32		1.80		1.80		
Elevation difference (in/out)	Max	m	15		15		20		20		
Piping length	Min / Max	m	3 / 20		3 / 20		3 / 30		3 / 30		
Precharge length	Max	m	7.5		7.5		10		10		
Additional charge		g/m	20		20		30		30		
Operating range	Cooling Min / Max	°C	-10 / +43		-10 / +43		-10 / +43		-10 / +43		
	Heating Min / Max	°C	-15 / +24		-15 / +24		-15 / +24		-15 / +24		

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB. Cooling Outdoor 35°C DB / 24°C WB. Heating Indoor 20°C DB. Heating Outdoor 7°C DB / 6°C WB. (DB: Dry Bulb; WB: Wet Bulb)
 Connectivity restriction: JKE units are not compatible with QKE units.

1) The annual energy consumption is calculated in accordance with the ErP directive. 2) The Sound pressure level of the units shows the value measured of a position 1 metre in front of the main body and 0.8 m below the unit. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification. Q-Lo: Quiet mode. Lo: The lowest fan speed. 3) Add 70 mm for piping port. Specifications subject to change without notice.

For detailed information about ErP, please visit our page <http://www.ptc.panasonic.eu>



CS-E180KEW // CS-E210KEW // CS-E240KEW // CS-E280KES

CS-XE180KEW



Included with the indoor unit



Optional wired remote control CZ-RD614C

SEASONAL EFFICIENCY



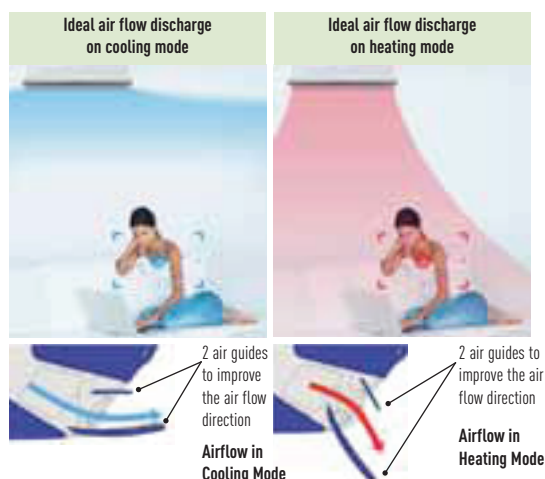
KIT SILVER PLATED: KIT-XE18-QKE

KIT WHITE: KIT-E18-QKE // KIT-E21-QKE // KIT-E24-QKE // KIT-E28-QKE

Technical focus

- **New!** This units can be installed on R22 pipings
- Maximum efficiency and comfort with Econavi, now with sunlight detection
- Nanoe-G air purifying system, 99% effective on both airborne and adhesive mould, viruses, bacteria and pollen allergen
- Optional smartphone control
- Mild Dry Cooling: prevent a rapid decrease in room humidity
- More powerful airflow to quickly reach the desired temperature

NEW AIR FLOW DISCHARGE IDEAL AIR FLOW FOR HEATING AND FOR COOLING



CU-E180KE
CU-E210KE



CU-E240KE
CU-E280KE

Features

HEALTHY AIR

- Nanoe-G air purifying system
- Mild Dry Cooling operation mode for increased comfort and prevention of skin moisture loss

ENERGY, EFFICIENCY AND ECOLOGY

- Maximum efficiency Inverter system, for bigger savings
- -45% consumption with Econavi on heat pump, and -38% on cooling mode
- R410A refrigerant gas

COMFORT

- Powerful mode
- Uniform dispersion of airflow
- Automatic vertical airflow control
- Hot start mode, increased comfort on heat pump mode, no cool airflow when process starts
- Automatic restart after power cut

EASE OF USE

- Real time clock with dual ON&OFF timer
- User friendly infrared remote control
- Optional wired weekly timer with 6 settings per day and 42 settings per week
- Connectivity function (indoor unit equipped with PCB port which can be connected to outside network)
- Optional Smartphone control

EASY INSTALLATION AND MAINTENANCE

- Removable, washable panel
- 20 m (for 18 and 21), 30 m (for 24 and 28) maximum connection distance
- 15 m (for 18 and 21), 20 m (for 24 and 28) maximum elevation difference
- Maintenance access through the top panel of the outdoor unit
- Self-diagnosis function